

CLAIMS

1. A method for decoding a bitstream, comprising the steps of:

(A) generating a first signal and a second signal by parsing a common slice in said bitstream;

5 (B) generating a third signal by entropy decoding said first signal; and

(C) generating a video signal by combining said second signal and said third signal.

2. The method according to claim 1, further comprising the step of:

accepting said common slice containing a plurality of macroblocks encoded in a plurality of modes.

3. The method according to claim 1, wherein step (B) comprises the sub-step of:

renormalizing said entropy decoding by setting any one of a plurality of predetermined values as a last value for said
5 entropy decoding.

03-0781
1496.00317

4. The method according to claim 1, further comprising
the step of:

terminating said entropy decoding by setting any one of
a plurality of predetermined values as a last value for said

5 entropy decoding.

5. The method according to claim 1, further comprising
the step of:

comparing an offset value to a range value.

6. The method according to claim 5, further comprising
the step of:

renormalizing said entropy decoding in response to said
offset value being at least as large as said range value.

7. The method according to claim 1, further comprising
the step of:

demodulating said second signal prior to combining with
said third signal.

03-0781
1496.00317

8. The method according to claim 7, wherein said demodulating comprises pulse code demodulating.

9. An apparatus comprising:

a parser configured to generate a first signal and a second signal by parsing a common slice in a bitstream;

a decoder configured to generate a third signal by
5 entropy decoding said first signal; and

a circuit configured to generate a video signal by combining said second signal and said third signal.

10. The apparatus according to claim 9, wherein said entropy decoding comprises a binary arithmetic decoding.

11. The apparatus according to claim 10 wherein said arithmetic decoding comprises a context-based adaptive binary arithmetic decoding.

12. The apparatus according to claim 9, further comprising a demodulator configured to pulse code demodulate said second signal.

03-0781
1496.00317

13. An apparatus comprising:

means for generating a first signal and a second signal
by parsing a common slice in a bitstream;

means for generating a third signal by entropy decoding
5 said first signal; and

means for generating a video signal by combining said
second signal and said third signal.

14. A method for encoding a video signal, comprising the
steps of:

(A) generating a first signal and a second signal by
parsing said video signal;

5 (B) generating a third signal by entropy encoding said
first signal; and

(C) generating a bitstream by combining said second
signal and said third signal within a common slice.

03-0781
1496.00317

15. The method according to claim 14, wherein further comprising the step of:

generating said common slice using data in a plurality of modes.

16. The method according to claim 14, wherein step (B) comprises the sub-step of:

renormalizing said entropy encoding by setting any one of a plurality of predetermined values as a last value for said
5 entropy encoding.

17. The method according to claim 16, wherein said predetermined bit patterns comprise a mode for non-encoded pulse code modulated data.

18. The method according to claim 14, further comprising the step of:

terminating said entropy encoding by setting any one of a plurality of predetermined values as a last bit for said entropy
5 encoding.

03-0781
1496.00317

19. The method according to claim 14, further comprising
the step of:

modulating said second signal by pulse code modulation.

20. The method according to claim 14, further comprising
the steps of:

(A) generating a fourth signal and a fifth signal by
parsing said common slice in said bitstream;

5 (B) generating a sixth signal by entropy decoding said
fourth signal; and

(C) generating a copy of said video signal by combining
said fifth signal and said sixth signal.